

**JOHN DEERE**

Current Date 13Jan2020

**670G MOTOR GRADER****670G Standard Equipment****VEHICLE COOLING:**

Swing-Out, Cool-On-Demand, Hydraulic Fan (32 In.)  
Enclosed Engine Fan and Fan Drive Guarding (Conforms to ISO 3457)  
Heavy Duty Aluminum Coolers for Transmission, Axle, Hydraulic, Fuel, Charge Air, Radiator and A/C Condenser.  
Engine Coolant Surge Tank Cool-Gard II Extended Life Engine Coolant -34 Degrees F (-37 Degrees C)

**TRANSMISSION:**

John Deere Powershift Plus Direct Drive, Countershaft Powershift  
Event Based Shifting (EBS) - Load Sensing Electronic Shift Modulation  
Over speed Protection  
Quick Disconnect Pressure Ports  
Matched 8 Forward and 8 Reverse Speeds  
Industry Standard U-Shape Shift Pattern  
Transmission Neutral Lock with Park Start Safety Switch

Rubber Isolation Mounting to Reduce Noise and Vibration  
Independent Oil Reservoir, Filtration and Cooling System with:

31 GPM Transmission Hydraulic Gear Pump  
2000 Hour Vertical Spin-On Filter

**AXLE, BRAKES AND TANDEMS:****Ports**

(1) Interior and (2) Exterior Mounted Rearview Mirrors (Conforms to SAE J985)  
Air Vents on all Front and side Tinted Windows  
Fixed Lower Front Tinted Window  
Rear Window Electric Defroster  
Laminated Upper Front Tinted Window w/ Sun Shade Band  
Upper Front and Rear Windshield Washers with Intermittent Wipers  
Molded Floor Mat  
Coat Hook  
Universal RH & LH Mounting Bracket  
Cooler/Lunch Box Storage with Cup Holder  
Operator Manual Storage  
Front Sun Visor

**ELECTRICAL:**

24 Volt System  
Alternator (dependent on engine emission and optional equipment)  
Bypass Start Safety Cover on Starter  
All Light and Wiper Switches have Solid State Electrical Power Distribution System  
Batteries (2), 1400 CCA with 440 Minute Reserve Capacity  
Positive Terminal Battery Covers  
Ground Level Electrical Master Disconnect Switch  
Electric Fuel Shut off Switch  
Transporting Lights w/LED

**Monitor Settings****HYDRAULIC SYSTEM:**

PCLS (Pressure Compensating Load Sensing) Hydraulic System  
Independent Hyd. Reservoir with Sight Glass  
Independent Main Hydraulic filtration cooling system with:  
56 GPM Main Hydraulic Axial Piston Pump  
O-Ring Face Seal Connectors

Float control included with blade lifts  
2000 Hour Vertical Spin-On Filter

**STRUCTURE:**

Main Frame with:  
Double Ball-N-Socket Pivot Connection  
Snow Wing Ready Frame  
Midmount Scarifier Ready  
Grade Control Mount Ready  
Tapered Roller Bearing in Bottom Articulation Joint  
Tapered Roller Bearing King Pins on Front Axle  
Lift Eyes  
Tiedowns  
(20) NeverGrease Pin Joints for Saddle Linkage, Blade Tilt, Rear  
Steering and Lean Cylinders  
**MOLDBOARD:**  
Patented Pre-Stressed 12 Ft. x 24 In. x 7/8 In. (3.66 M x 610 mm x 22 mm)  
Moldboard with:  
6 In. x 5/8 In. (152 x 16 mm) Cutting Edge with 5/8 in. Reversible End Bits  
Quick Change Circle Wear

<p>Teammate II Axle Planetary Single Reduction Final Drives Internal Self-Adjusting Maintenance Free Wet Multi-Disk Brakes Inboard of Tandem Pivot Continuous Pressurized Filtered Oil Cooled Brakes Independent Oil Reservoir, Filtration and Cooling System with: 6.7 GPM Axle Hydraulic Gear Pump 2000 Hour Vertical Spin-On Filter Primary and Secondary Service Brakes (Conforms to ISO 3450) Automatic Differential Lock with Override Automatic Spring-Applied Hydraulic Released Parking Brake (Conforms to SAE J1026) 14.0 x 24 In. 12 PR (G2) Bias Tires Slip Resistant Platforms on Tandems OPERATORS STATION: Low ROPS/FOPS Air Conditioned Cab (Conforms ROPS ISO 3471 / FOPS ISO 3449 Level II) Rubber Isolation Frame Mounted Keyless Start with Multiple Security Modes Anti-Skid 3 Step Cab Access Fabric Air Suspension Seat with Armrests and Headrest 3 In., (76 mm) Seat Belt w/Retractors (Conforms to SAE J386) Tilt Wheel and Control Console with 5 Lock to Lock Power Steering Electronic Throttle Control with Auto / Manual Modes ECO Mode: limits engine rpms to 1900 in gears 1-5 15 Amp (24 V to 12 V W/ Continuous 10 amps) Converter and (2) Power</p>	<p>Signal and Marker Lights (4 Halogen Transport lights) Transporting Lights (4 Halogen Transport Lights). Includes LED turn signals on front frame, LED rear turn signals mounted on rear grille, front and rear LED marker lights, LED brake lights and LED hazard warning lights. Cab Pre-Wired (10 amp) for Beacon, Radio and Auxiliary Circuit Electric Forward Warning Horn (Conforms to ISO 9533) Back up Warning Alarm (Conforms to ISO 9533) Sealed Switch Module with Function Indicators Multi-Function / Multi-Language LCD Color Monitor includes: DIGITAL INSTRUMENTS ANALOG Display: Hydraulic Oil Temperature Engine Coolant Temperature Transmission Oil Temperature Rear Steer Articulation Angle</p> <p>Fuel Level DEF Level (FT4 Only) DIGITAL Display: Engine RPM Transmission Gear Indicator Hour Meter Speedometer Odometer Outside Ambient Temperature Integrated Job Timer and Stop Watch INDICATOR LIGHTS for Standard and Selected Options INDICATOR LIGHTS for Amber Caution and Red Stop</p> <p>OPERATOR WARNING MESSAGES</p>	<p>Inserts (All Nylon) Quick Change and Adjustable Heavy Duty Moldboard Side Shift Wear Inserts Single Input Circle Drive Gearbox (non-slip) OVERALL VEHICLE: Left Side Daily Service Engine and Service Compartment Lights Hinged Engine Side Shields Tool Box with Tray Articulation Joint Grease Bank Articulated frame with Safety (ISO 10570) locking pin Radiator Surge Tank Access Panel DEF Tank Door and Cap (FT4 Only) Bottom/Side Guards with Access Panels (6) D.O.T. (392&amp;393) Permanent Tie Downs for transport Single Key Locks for Entire Vehicle Ground Level Fuel Tank Filling (FT4 Only) Fluid Sampling Ports for Engine Oil, Engine Coolant, Hydraulic, Axle and Transmission Oils Vandal Protection Locking for: Service Compartments Cab Doors Radiator Surge Tank Access Door DEF Tank Door and Cap (FT4 Only) Hydraulic Reservoir Cap Battery Disconnect Switch Fuel Tank Door and Cap Tool Box Fuel tank, 110 gallon (416 L)</p> <p>Environmental Drains with Hoses for Engine, Transmission, Hydraulic, Axle Oils and Engine Coolant</p> <p>Remote Filter Bank for</p>
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BUILT-IN DIAGNOSTICS: Hydraulic, Transmission and  
 Diagnostic Code Details Axle Oils Vehicle  
 Sensor Values Side Reflectors  
 Calibrations  
 MENU DISPLAY:  
 Codes  
 Machine Settings  
 Diagnostics

Required - *You must select one from each category*

▼ BASE MACHINE

FOB Davenport, Ia.

As not all option codes have field kits, please review your order option codes and available kits prior to placing a machine order

Description	Code	Price
670G MOTOR GRADER	8440T	\$299,576.00

Keep in mind that the following John Deere motor graders 770, 772, 870 & 872 offer optimized performance for high speed snow plowing applications.

▼ ENGINE

Description	Code	Price
John Deere PowerTech PSS 9.0L meets EPA FT4 Emissions	1140	\$47,902.00

235 Net Peak hp  
 For use only in areas where EPA Final Tier 4 is required.  
 Requires engine exhaust code 1830 or 1840.

Automatic Exhaust Filter Regeneration  
 Automatic Hydraulic Reversing Fan  
 Series Turbo Chargers  
 Cooled Exhaust Gas Recirculation  
 4 Valves / Cylinder  
 Wet Sleeve Cylinder Liners  
 ECO Mode  
 Auto-Idle and Programmable Auto-Shutdown  
 Automatic Starter Overload Protection  
 Electronically Controlled HPCR Fuel Delivery System, B20 Biodiesel Compatible  
 Electric Fuel Priming System  
 10-Micron Primary Fuel Filter/Water Separator, 500 hour  
 2-Micron Final Fuel Filter, 500 hour  
 Inline Fuel Strainer  
 Spin-on Oil Filter, 500 hour  
 Oil crankcase filter, Lifetime  
 Auto-Tensioned Serpentine Belt  
 Under Hood Dual Element Air Cleaner with Restriction Indicator  
 Engine Intake Rotary Ejector Precleaner

▼ EXHAUST

Description	Code	Price
Engine Exhaust W/ Flat Black Stack (FT4 or Stage V only)	1830	No Added Cost

Requires engine code 1140.

Engine Exhaust W/ Chrome Stack (FT4 or Stage V only)	1840	\$703.00
Requires engine code 1140.		

▼ FUEL FILTRATION

Description	Code	Price
Standard Fuel & Water Filtration	1410	No Added Cost
Severe Duty Fuel & Water Filtration System	1420	\$528.00
For use where fuel quality is questionable and/or additional water separation is required. Filter base contains fuel heater.		

▼ QUICK SERVICE GROUP

Description	Code	Price
Quick Service Group	1310	\$672.00
No Quick Service Group	1320	No Added Cost

▼ MACHINE CONFIGURATION

Description	Code	Price
Standard Antler Rack Hydraulic Controls	1010	No Added Cost
Armrest Fingertip Controls	1020	\$33,489.00
Grade Pro Armrest Controls Include: * Fingertip controls with industry standard control pattern * Automated Cross Slope control * Integrated grade control (Contact TOPCON, Trimble, or Leica for full install requirements) * Return-to-Straight * Armrest steering control AND conventional steering wheel  Requires alternator code 1220 or 1240 and cab code 5060 or 5070. Includes seat code 6140 and grade pro controls code 6650.		
Dual Joystick Controls	1030	\$33,489.00
Grade Pro Armrest Controls Include: * Automated Cross Slope control * Integrated grade control (Contact TOPCON, Trimble, or Leica for full install requirements) * Return-to-Straight * Armrest steering control AND conventional steering wheel  Requires alternator code 1220 or 1240 and cab code 5060 or 5070. Includes seat code 6140 and grade pro controls code 6650.		

▼ OPERATOR'S STATION

ROPS/FOPS Air Conditioned Cab

Description	Code	Price
Low Cab w/ Fixed Lower Front and Side Windows	5020	No Added Cost
Low Cab w/ Fixed Lower Front and Side Opening Windows	5025	\$927.00

Low Cab w/ Lower Front and Side Opening Windows	5030	\$1,243.00
Includes Roof Wiring Harness for Lighting, Beacon, Precleaner and Heated Mirrors		
Low Cab w/ Fixed Lower Front and Side Opening Windows, Laminated Glass	5035	\$3,087.00
The advantage of laminated glass is that it resists shattering and strongly resists penetration by impacting objects.		
Grade Pro Low Cab w/ Lower Front and Side Opening Windows	5060	No Added Cost
Requires configuration code 1020 or code 1030 and seat code 6140. Requires (1) T244325 bracket to optionally move monitor to the RH door post.		
Grade Pro Low Cab w/ Fixed Lower Front and Side Opening Windows, Laminated Glass	5070	\$2,190.00
Requires configuration code 1020 or code 1030 and seat code 6140. Requires (1) T244325 bracket to optionally move monitor to the RH door post.		
The advantage of laminated glass is that it resists shattering and strongly resists penetration by impacting objects.		
Tall Cab with Lower Fixed Front and Side Opening Windows	50A1	\$2,555.00

CAMERA

Description	Code	Price
Rear Camera (R4)	8830	No Added Cost
Rear view camera with a dedicated monitor		
Front & Rear Camera (R4)	8835	\$2,500.00

MIRRORS

Description	Code	Price
Exterior Mounted Rearview Mirrors	8210	No Added Cost
Heated Exterior Mounted Rearview Mirrors	8220	\$570.00

RADIO

Description	Code	Price
AM/FM Radio with Aux and Weather Band (WB)	8410	\$983.00
Premium AM/FM Radio with Bluetooth, Aux and Weather Band (WB).	8415	\$1,515.00
Requires engine code 1140.		
No Radio	8420	No Added Cost

WASHER AND WIPER

Description	Code	Price
Lower Front Intermittent Wiper & Washer	8310	\$670.00
Less Lower Front Window Wiper & Wiper	8320	No Added Cost
<b>▼ CAB AIR PRECLEANER</b>		
Description	Code	Price
Powered Cab Air Precleaner	6010	\$925.00
Powered Cab Precleaner pre-filters outside air to significantly extend cab filter life.		
No Powered Cab Air Precleaner	6030	No Added Cost
<b>▼ SEAT</b>		
Description	Code	Price
Standard Fabric Air Suspension Seat with Armrests and Headrest	6120	\$449.00
For use with cab codes 5020, 5025, 5030 & 5035		
Premium Heated, Leather/Fabric, High-Wide Back, Air Suspension Seat with Armrests	6130	\$1,191.00
For use with cab codes 5020, 5025, 5030 & 5035. This seat does not include a headrest. If a headrest is desired, please order AT361342 from service parts.		
Grade Pro Premium Heated, Leather/Fabric, High-Wide Back Air Suspension Seat	6140	No Added Cost
For use with cab codes 5060 & 5070. This seat does not include a headrest. If a headrest is desired, please order AT361342 from service parts.		
<b>▼ SOUND ABSORPTION PACKAGE</b>		
Description	Code	Price
No Sound Absorption Package	8730	No Added Cost
Requires engine code 1140.		
<b>▼ HYDRAULIC CONTROLS - RIGHT SIDE</b>		
Description	Code	Price
<a href="#">Standard Hydraulic Controls</a>		
Industry standard manual hydraulic controls. Includes valves, control levers, and plumbing.		
Base Hydraulics - 4 Function Controls	6510	No Added Cost
Requires configuration code 1010. Base Functions: Rear Steer, Circle Side shift, Wheel Lean & RH Blade Lift w/ Float.		
Base Hydraulics w/ 1 Auxiliary Function Control	6520	\$1,663.00

<p>Requires configuration code 1010. Base functions plus 1 function w/float control - front plumbing and hoses for Scarifier or auxiliary application. For use with front scarifier.</p>		
Mid Mount Scarifier Base Hydraulics w/ 1 Auxiliary Function Control	6525	\$1,885.00
<p>Requires Mid Mount Scarifier code 6730 and configuration code 1010. Midmount scarifier base hydraulics with 1 auxiliary function control with float control for mid mount scarifier. For use with mid mount scarifier.</p>		
Base Hydraulics w/ 2 Auxiliary Function Controls	6530	\$3,138.00
<p>Requires configuration code 1010. Base functions plus 2 functions w/float control - front plumbing and hoses for Scarifier and/or auxiliary application. For use with front scarifier.</p>		
Base Hydraulics w/ 3 Auxiliary Function Controls	6540	\$4,611.00
<p>Requires code 1010. Base Functions plus 3 functions-(2) with and (1) w/o float control, front plumbing and hoses for Scarifier and/or auxiliary application. For use with front scarifier.</p>		
<p><u>Grade Pro Controls</u></p> <p>1020 - Finger-tip armrest mounted controls, consistent with the industry standard pattern. Includes armrest mounted lever steering plus the traditional steering wheel. All Auxiliary codes include front and rear plumbing for each function except code 6595. 1030 - Dual Joystick armrest mounted controls. Includes armrest mounted lever steering plus the traditional steering wheel. All Auxiliary codes include front and rear plumbing for each function except code 6595.</p>		
Grade Pro Base Controls	6550	No Added Cost
<p>Requires code 1020 OR 1030 Includes the following Base Hydraulic Functions: Rear Steer Circle Side shift Wheel Lean Right and Left hand Blade Lift w/ Float Circle Rotate Blade Side Shift Blade Tilt Speed-sensitive Lever Steer (also includes traditional steering wheel)</p>		
Grade Pro Controls for Mid Mount Scarifier w/1 Auxiliary Function Control	6526	\$1,885.00
<p>Requires codes 1020 OR 1030 AND Mid Mount Scarifier code 6730. Includes base functions plus mid-mount scarifier/auxiliary hoses that run to front of machine Fingertip controls include right hand lever control</p>		
Grade Pro Controls for Rear Ripper or 1 Rear Auxiliary Function	6555	\$1,665.00
<p>Requires code 1020 OR 1030 Includes Base functions plus 1 rear auxiliary function w/float control - Rear plumbing and hoses for Ripper or auxiliary application. Fingertip controls include left hand lever control</p>		

Grade Pro Controls for Front Scarifier or 1 Front Auxiliary Function	6560	\$1,665.00
Requires code 1020 OR 1030 Include Base functions plus 1 front auxiliary function w/float control - front plumbing and hoses for Scarifier and/or auxiliary application. Fingertip controls include right hand lever control		
Grade Pro Controls w/1 Rear Auxiliary Function Control	6570	\$1,665.00
Requires code 1020 OR 1030 Includes Base functions plus 1 rear auxiliary function w/float control - Rear plumbing and hoses for auxiliary application. Fingertip controls include right hand lever control		
Grade Pro Controls w/1 Front Auxiliary Function AND 2 Rear Auxiliary Functions	6580	\$4,988.00
Requires code 1020 OR 1030 Includes Base functions plus 3 auxiliary - 1 front and 2 rear auxiliary functions w/ float control and rear plumbing for Scarifier / Ripper and/or front, mid or rear auxiliary applications. Fingertip controls include left AND right hand lever control 4 independent proportional rollers are reconfigurable for auxiliary functions.		
Grade Pro Controls w/1 Front Auxiliary Function AND 1 Rear Auxiliary Function	6585	\$3,364.00
Requires code 1020 OR 1030 Includes Base functions plus 2 auxiliary - 1 front and 1 rear auxiliary functions w/ float control and plumbing for Scarifier / Ripper applications. Fingertip controls include left AND right hand lever control 4 independent proportional rollers are reconfigurable for auxiliary functions.		
Grade Pro Controls w/1 Front Auxiliary Function AND 3 Rear Auxiliary Functions	6590	\$6,652.00
Requires code 1020 OR 1030 Includes Base functions plus 4 auxiliary - 1 front and 3 rear auxiliary functions w/ float control and rear plumbing for Scarifier / Ripper and/or front, mid or rear auxiliary applications. Fingertip controls include left AND right hand lever control 4 independent proportional rollers are reconfigurable for auxiliary functions.		
Grade Pro Controls w/3 Front Auxiliary Function AND 3 Rear Auxiliary Functions	6595	\$9,977.00
Requires code 1020 OR 1030 Includes Base functions plus 6 auxiliary - 3 front and 3 rear with float control on 4 functions, and front and rear plumbing for 2 functions each. Fingertip controls include left AND right hand lever control 4 independent proportional rollers are reconfigurable for auxiliary functions.		

▼ HYDRAULIC CONTROLS - LEFT SIDE

Industry standard manual hydraulic controls. Includes valves, control levers, and plumbing.

Description	Code	Price
<a href="#">Standard Hydraulic Controls</a>		



Industry standard manual hydraulic controls. Includes valves, control levers, and plumbing.

Base Hydraulics- 4 Function Controls	6610	No Added Cost
Requires code 1010. Base Functions: LH Blade Lift w/ Float, Blade Side shift, Circle Rotate, Blade Tilt.		
Base Hydraulics w/ 1 Auxiliary Function Control	6620	\$1,463.00
Requires code 1010. Base Functions plus 1 function w/float control and lines for Ripper or auxiliary application. For Use with Rear Ripper/Scarifier Combination.		
Base Hydraulics w/2 Auxiliary Function Control	6630	\$2,952.00
Requires code 1010. Base functions plus 2 functions w/float control and lines for Ripper and/or auxiliary application. For Use with Rear Ripper/Scarifier Combination.		
Base Hydraulics w/ 3 Auxiliary Function Control	6640	\$4,425.00
Requires code 1010. Base Functions plus 3 functions-(2) with and (1) w/o Float Control, and lines for Ripper and/or auxiliary application. For Use with Rear Ripper/Scarifier Combination.		

Grade Pro Controls

Grade Pro Controls - Left Side	6650	No Added Cost
Requires code 1020 or code 1030. Accompanies GRADE PRO CONTROLS - RIGHT SIDE order code selection.		

SHIPPING PREPARATION

Description	Code	Price
Air Conditioner Refrigerant Charged	8510	No Added Cost

HYDRAULIC OIL

Description	Code	Price
Hydrau	5815	No Added Cost
Broad ambient operating temperatures. Operating range: -25°C to 50°C -13°F to 122°F		
Hydrau XR	5830	\$731.00
Optional factory fill. Broad ambient operating temperatures. Operating range: -40°C to 40°C -40°F to 104°F Intended for colder climates, provides all-season capability. Required for Russia.		

▼ HYDRAULIC PUMP DISCONNECT

Description	Code	Price
Hydraulic Pump Disconnect	1610	\$188.00

Required with engine code 1140.  
Required for Russia.

▼ MACHINE CONNECTIVITY

Machine connectivity functions require cellular coverage. Usage of JDLINK System requires customer's acceptance of the terms of the John Deere Telematics System Contract.

Option availability limited by specific geographical regions. Please refer to region specific price pages for appropriate ordering codes.

Description	Code	Price
JDLINK Ultimate - 5 Year Subscription	170C	No Added Cost

Includes JDLINK hardware: integrated cab wiring harness, antenna, modular telematics gateway (MTG), and now includes all Ultimate Connectivity features - Wireless Data Transfer (WDT) enabling automatic data transfer from TimberMatic and Waratah H16 Measuring Systems to TimberManager and MyJohnDeere, supporting TimberOffice 5 Software. Additionally, Ultimate now includes Limited Internet features supporting optional ForestSight Solutions such as advance mapping systems and Remote Display Access (RDA) features supported by TeamViewer applications. JDLINK utilizes cellular and satellite technology infrastructure that is outside the control of John Deere. Changes to that infrastructure may require customers to purchase compatible JDLINK hardware to restore functionality. Includes 5 year subscription. Annual subscription renewal required after 5 years for continued functionality. JDLINK customer account must be created to access JDLINK Ultimate data. Go to [www.StellarSupport.com](http://www.StellarSupport.com) to renew or update JDLINK subscriptions. Use of this service, and all rights and obligations of John Deere and the Customer (as identified in the applicable agreement), are governed by the terms and conditions outlined in the applicable Services and Software agreements available at [www.JohnDeere.com/Agreements](http://www.JohnDeere.com/Agreements). If these terms and conditions are not agreeable do not proceed and do not use the service.

JDLINK Ultimate Dual - 5 Year Subscription	170J	\$1,936.00
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Includes JDLINK hardware: integrated cab wiring harness, antenna, modular telematics gateway (MTG), and now includes all cellular dependent Ultimate Connectivity features - Wireless Data Transfer (WDT) enabling automatic data transfer from TimberMatic and Waratah H16 Measuring Systems to TimberManager and MyJohnDeere, supporting TimberOffice 5 Software. Additionally, Ultimate Dual now includes Limited Internet features supporting optional ForestSight Solutions such as advance mapping systems and Remote Display Access (RDA) features supported by TeamViewer applications when cellular signal is available. JD Link Ultimate Dual works with the 4G LTE MTG to automatically transmit compressed summary data over a satellite network when a cellular network is not available. JDLINK utilizes cellular and satellite technology infrastructure that is outside the control of John Deere. Changes to that infrastructure may require customers to purchase compatible JDLINK hardware to restore functionality. Includes 5 year subscription. Annual subscription renewal required after 5 years for continued functionality. JDLINK customer account must be created to access JDLINK Ultimate data. Go to [www.StellarSupport.com](http://www.StellarSupport.com) to renew or update JDLINK subscriptions. Use of this service, and all rights and obligations of John Deere and the Customer (as identified in the applicable agreement), are governed by the

terms and conditions outlined in the applicable Services and Software agreements available at [www.JohnDeere.com/Agreements](http://www.JohnDeere.com/Agreements). If these terms and conditions are not agreeable do not proceed and do not use the service.

BLADE IMPACT ABSORPTION SYSTEM		
Description	Code	Price
Blade Impact Absorption System	1910	\$3,617.00
Protects Moldboard and draft frame from impacts with Stationary objects		
No Blade Impact Absorption System	1920	No Added Cost
MOLDBOARDS WITH DURA-MAX CUTTING EDGES AND END BITS		
Description	Code	Price
12 Ft. x 24 In. x 7/8 In. (3.66M x 610mm x 22mm) w/ 6 In. x 5/8 In. (152 x 16mm) Cutting Edge & 5/8 in. (16mm) Hardware	2010	No Added Cost
12 Ft. x 24 In. x 7/8 In. (3.66M x 610mm x 22mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware	2020	\$400.00
12 Ft. x 27 In. x 1 In. (3.66M x 686mm x 25mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware	2030	\$1,019.00
13 Ft. x 27 In. x 1 In. (3.96M x 686mm x 25mm) with 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware	2040	\$1,215.00
14 Ft. x 24 In. x 7/8 In. (4.27M x 610mm x 22mm) w/ 6 In. x 5/8 In. (152 x 16mm) Cutting Edge & 5/8 in. (16mm) Hardware	2050	\$1,354.00
14 Ft. x 24 In. x 7/8 In. (4.27M x 610mm x 22mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware	2060	\$1,568.00
14 Ft. x 27 In. x 1 In. (4.27M x 686mm x 25mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware	2070	\$1,997.00
Requires engine code 1120 or 1140.		
14 Ft. x 27 In. x 1 In. (4.27M x 686mm x 25mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 3/4 in. (19mm) Hardware	2080	\$2,042.00
Requires engine code 1120 or 1140.		
CIRCLE		
Description	Code	Price
Single Input Gearbox without Slip Clutch	2810	No Added Cost
Single Input Gearbox with Slip Clutch	2820	\$2,751.00

Slip clutch protects circle, circle drive gearbox and draft frame from damage when end of moldboard comes in contact with stationary objects. Slip clutch is integral to the circle drive gearbox assembly and allows the circle frame to rotate, avoiding damage to the machine, when the end of the moldboard comes in contact with an immovable object.

Heavy Duty Dual Input Gearbox without Slip Clutch	2830	\$1,573.00
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Heavy duty dual input gearbox is an industry exclusive and provides significant improvements in circle drive component durability. The heavy duty dual input circle drive gearbox provides comparable circle torque and circle rotate speed as the single input circle drive gearbox. The heavy duty dual input circle drive gearbox will significantly enhance uptime for the customer and is recommended for applications that frequently use the circle rotate function while under heavy load.

Heavy Duty Dual Input Gearbox with Slip Clutch	2840	\$4,324.00
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Heavy duty dual input gearbox is an industry exclusive and provides significant improvements in circle drive component durability. The heavy duty dual input circle drive gearbox provides comparable circle torque and circle rotate speed as the single input circle drive gearbox. The heavy duty dual input circle drive gearbox will significantly enhance uptime for the customer and is recommended for applications that frequently use the circle rotate function while under heavy load.

Slip clutch protects circle, circle drive gearbox and draft frame from damage when end of moldboard comes in contact with stationary objects. Slip clutch is integral to the circle drive gearbox assembly and allows the circle frame to rotate, avoiding damage to the machine, when the end of the moldboard comes in contact with an immovable object.

Premium Circle	2850	\$19,000.00
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Replaces the circle gearbox drive and circle with a fully sealed bearing. Customers will benefit from lower operating costs with no wear inserts to replace or maintain over the life of the machine. Maintenance takes just minutes by greasing the bearing every 500 hours. A 40% increase in circle torque and 15% increase in circle speed compared to the traditional gearbox will reduce cycle times and improve productivity. Grade control customers will appreciate the smoothness and tightness of the circle increasing accuracy without having to shim inserts. Combine with SmartGrade for the most innovative and effective Grade Control system in the industry. Slip Clutch is included at no additional cost.

▼ ALTERNATOR

Description	Code	Price
130 amp Alternator	1235	\$412.00

Requires engine code 1140.

Dual 100 Amp Alternators (200 Amp total)	1240	\$954.00
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Requires engine code 1140.

▼ LIGHTING

For raised front lights order code 9270 Tall Front Light Bar. All lighting packages include LED turn signals on front frame, LED rear turn signals mounted on rear grille, front and rear LED marker lights, LED brake lights and LED hazard warning lights.

Description	Code	Price
Transporting Lights (6 Halogen Lights)	7110	No Added Cost
Includes 2-high and 2-low beam halogen headlights plus 2 - reversing lights on rear grill.		
Grading Lights (10 Halogen Lights)	7130	\$763.00
Includes light code 7110 Transporting Lights plus (4) additional work lights (2 - bottom cab, 2 - mid-frame).		
Deluxe Grading Lights (18 Halogen Lights)	7160	\$1,399.00
Includes light code 7130 Grading Lights plus (8) additional work lights (4 - corner cab, 2 - front cab, and 2 - right-side cab roof).		
Premium Grading Lights (18 LED Lights)	7180	\$4,134.00
Same lighting locations as light code 7160 Deluxe Grading Lights, all Premium Grading Lights are LED.		

▼ CONVERTER

Description	Code	Price
24-to-12 Volt Converter (15 amps peak / 10 amps continuous)	8110	No Added Cost
24-to-12 Volt Converter (30 amps peak / 25 amps continuous)	8120	\$470.00
Recommend code 8120 for additional 12 volt needs, such as business band or CB radios		

▼ FRONT ATTACHMENTS

Description	Code	Price
Front Push Block	6710	\$4,189.00
2,950 lbs.		
Front Scarifier	6720	\$9,033.00
Includes Front Hydraulics, plumbing and hoses Scarifier with 2 pitch positions and 9 shank pockets Five 1 x 3 inch Scarifier Shanks w/teeth If additional shanks are desired order (1) each of T6Y5230 Tooth, T114792 Shank and T104223 Retainer for each set. Can not be used with 6550 Hydraulics.		
Mid-Mount Scarifier with Integrated Front Push Plate	6730	\$16,103.00
Requires hydraulic code 6525 or 6526 Mid-Mount Scarifier with Push Block Can not be used with Front Scarifier. Not for use with Front Fenders Code 7810. Recommend Rear Counterweight for better machine balance.		
Balderson Style Front Lift Group	6740	\$7,660.00
Requires hydraulic code 6520, 6530, 6540, 6560, 6580, 6585, 6590, or 6595. (2) AT367896 Mating Hooks from Parts are available to convert old front attachments to the Bladerson-style lift group.		

Less Front Attachment	6750	No Added Cost
Front-Mounted Dozer Blade, 97 in. x 37.6 in. (2464 mm x 955 mm)	6770	\$9,870.00
Requires hydraulic controls on the right side with a minimum 1 front auxillary function. Requires 14.0 24 or 14.0 R24 tires		
Front-Mounted Dozer Blade, 105 in. x 37.6 in. (2667 mm x 955 mm)	6780	\$10,055.00
Requires hydraulic controls on the right side with a minimum 1 front auxillary function. Requires 14.0 24, 14.0 R24, 17.5 25, or 17.5 R 25 tires.		

▼ REAR ATTACHMENTS

Description	Code	Price
Rear Mounted Ripper/Scarifier Combination with Rear Hitch and Pin	6810	\$17,774.00
Includes Rear mounted Ripper/Scarifier with rear hitch and pin. NeverGrease Pin Joints. Three 2 x 5 in. Ripper Shanks w/teeth. Does not include Scarifier Shanks w/teeth (offered in code 9430: (9) Extra Scarifier Shanks w/Teeth For Rear Ripper/Scarifier) Can not be used with codes 6550, 6560 or 6610. Recommend Front Push Block (or other front equipment) for proper weight distribution and performance.		
Rear Counterweight with Rear Hitch and Pin	6820	\$2,650.00
1600 lbs.(725.7 kg.) Rear Counterweight. Recommend for use with Front / Mid Scarifier.		
Rear Hitch and Pin	6830	\$511.00
Not for use with Rear Ripper/Scarifier.		
No Rear Attachment	6850	No Added Cost

▼ TRANSMISSION

Description	Code	Price
Autoshift Transmission	5510	\$1,874.00
Manual Shift Transmission (no Autoshift)	5520	No Added Cost

▼ TRANSMISSION SOLENOID GUARD

Description	Code	Price
Transmission Solenoid Valve Guard	5710	\$213.00
Required with engine code 1140. Required for Russia. Recommended for snow plowing applications		

▼ WHEELS AND TIRES

Tire selection should be made with consideration for the machine weight and all planned attachments (OEM and aftermarket). Each tire has a maximum load rating that is not to be exceeded. Failure to abide by the load ratings of the tires without first consulting the local tire supplier could result in nullification of the tire warranty. Max load rating is shown next to each tire size and type below

Each selection includes a set of 6 tire/rim assemblies.

NOTE: If a No Brand Preference code is selected a 9000 code in the Attachment- Order as Desired section will automatically be selected as well. This is required to enable the factory to source this order.

All Tires are tubeless unless stated differently.

All wheels on 6WD models are 3 piece rims.

Bias Ply:

13.0-24 12 ply tire, maximum per tire load 6000 lbs.

14.0-24 12 ply tire, maximum per tire load 6800 lbs.

17.5-25 12 ply tire, maximum per tire load 6400 lbs.

13.0-24 16 ply tire, maximum per tire load 7160 lbs.

14.0-24 16 ply tire, maximum per tire load 8040 lbs.

17.5-25 16 ply tire, maximum per tire load 7380 lbs.